BIOLOGISCHE ZENTRALANSTALT
FÜR LAND- UND FORSTWIRTSCHAFT
IN BERLIN-DAHLEM

BIBLIOGRAPHIE DER PFLANZENSCHUTZ-LITERATUR

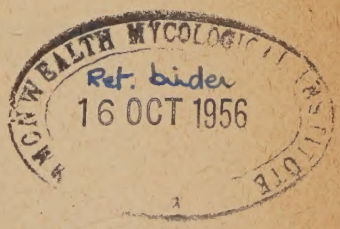
BIBLIOGRAPHY OF PLANT PROTECTION

BIBLIOGRAPHIE DE LA PROTECTION DES PLANTES

1940—1945

Bearbeitet von

Dr. J. Bärner



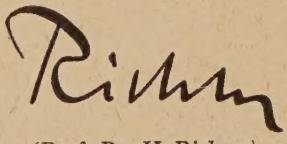
Berlin 1953

Im Buchhandel zu beziehen durch den Verlag Paul Parey, Berlin und Hamburg
Auslieferung: Berlin SW 68, Lindenstraße 44-47 (Westberlin)

GELEITWORT

Im Jahre 1921 wurde von der damaligen Biologischen Reichsanstalt für Land- und Forstwirtschaft in Berlin-Dahlem die erste »Bibliographie der Pflanzenschutzliteratur« herausgegeben. Sie umfaßte die gesamte phytopathologische Weltliteratur der Jahre 1914—1919. Inzwischen erschienen bis zum Jahre 1944 weitere zwanzig Bände, die eine Literaturzusammenfassung bis zum Jahre 1939 brachten.

Nach fast zehnjähriger Unterbrechung ist es nun dank der großzügigen Bereitstellung von ERP-Gegenwertmitteln möglich geworden, die Reihe unserer »Bibliographie der Pflanzenschutzliteratur« für die Jahre 1940—1945 fortzusetzen. Weitere sollen in kurzen Abständen folgen, wobei zunächst die Veröffentlichung der Literatur der Jahre 1946 und 1951 vorbereitet wird, um auf diese Weise einerseits die noch vorhandene Lücke in der Literaturnachweisung baldigst zu schließen und anderseits die moderne Pflanzenschutzliteratur möglichst schnell, laufend und vollständig der wissenschaftlichen Welt zugängig zu machen.



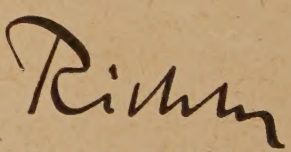
(Prof. Dr. H. Richter)
Präsident
der
Biologischen Bundesanstalt
für Land- und Forstwirtschaft

Berlin-Dahlem, im Oktober 1953

PREFACE

In 1921, the then »Biologische Reichsanstalt für Land- und Forstwirtschaft in Berlin-Dahlem« issued the first »Bibliographie der Pflanzenschutzliteratur«. That bibliography included all of the phytopathological literature of the world for the years 1914—1919. By 1944, 20 more volumes had appeared, amassing a collection of literature through 1939.

After an interruption of almost 10 years, it has now become possible, owing to the generous placing of funds at our disposal by the European Recovery Program of the United States, to continue the series of our »Bibliographie der Pflanzenschutzliteratur« for the years 1940—1945. Subsequent ones are to follow at short intervals. The first one to come will cover the years 1946—1951, in order to close the gap still existing in the literature works of reference and to make modern literature of plant protection accessible to the world of science as fast as possible, complete and without interruption.



(Prof. Dr. H. Richter)
President
of the
Biologischen Bundesanstalt
für Land- und Forstwirtschaft

Berlin-Dahlem, October 1953

PRÉFACE

En 1921 l'ancienne »Biologische Reichsanstalt für Land- und Forstwirtschaft« à Berlin-Dahlem a publié la première »Bibliographie der Pflanzenschutzliteratur«. Elle comportait toute la littérature phytopathologique parue dans le monde entier de 1914 à 1919. Jusqu' à 1944 vingt autres volumes ont été publiés contenant un résumé de la littérature jusqu' à 1939.

Grâce aux moyens accordés généreusement par PRE (Programme de Reconstruction Européenne) il a été possible — après une interruption de près de dix ans — de continuer la série de notre »Bibliographie der Pflanzenschutzliteratur« de 1940 à 1945. D'autres suivront en peu d'intervalles et d'abord seront préparées les publications de la littérature de 1946 et 1951. De cette façon nous arriverons à combler bientôt les lacunes des indications de littérature et d'autre part toute la littérature moderne de la protection des plantes sera accessible au monde scientifique le plus rapidement et couramment possible.

(Prof. Dr. H. Richter)
Président
de
Biologischen Bundesanstalt
für Land- und Forstwirtschaft

Berlin-Dahlem, en octobre 1953

Vorwort

Vorliegende »Bibliographie der Pflanzenschutzliteratur« umfaßt in zwei Teilen die Veröffentlichungen der Jahre 1940—1945. Um aus diesem umfangreichen Material ein schnelles und sicheres Auffinden gesuchter Literatur zu gewährleisten, war es nötig, die einzelnen Kapitel, ihrem Umfang entsprechend, weiter aufzuteilen, als es bei den vorangegangenen Bänden dieser Bibliographie üblich war. Dies trifft besonders für die einzelnen Abschnitte über pilzliche Parasiten und Insektenschädlinge zu. Aus praktischen Erwägungen heraus sind hier die Überschriften lateinisch bezeichnet und systematisch geordnet. Wo sich jedoch die systematische Gliederung als unzweckmäßig erwies, wurde eine alphabetische Anordnung der betreffenden Familien und Gattungen bevorzugt, so z. B. in den Abschnitten III, 5 »Handelspflanzen« und III, 9 »Zierpflanzen«.

Die mit römischen und arabischen Zahlen versehenen Hauptabteilungen und Hauptkapitel blieben, entsprechend der Aufteilung früherer Ausgaben der Pflanzenschutz-Bibliographie, unverändert, um eine laufende Eingruppierung der Literaturnachweise in die Gesamtkartei des Pflanzenschutzes zu ermöglichen. Diese befindet sich in der Biologischen Zentralanstalt für Land- und Forstwirtschaft, Berlin-Dahlem, und umfaßt über 300000 Karteikarten.

Sämtliche Kapitelüberschriften sind in einem ausführlichen Inhaltsverzeichnis aufgeführt, und es ist empfehlenswert, vor dem Aufsuchen von Literatur diesen Index weitgehend zu benutzen. Hinzukommen die »lebenden Kolumnentitel«, die für eine allgemeine Orientierung ausreichend sind.

Titel, Einleitungen, Kapitelüberschriften und »lebende Kolumnentitel« werden in drei Sprachen, deutsch, englisch und französisch, wiedergegeben. Erläuterungen zur Quellenangabe, wie Seitenzahlen, Abbildungen usw. erscheinen bei Literaturzitaten deutscher Arbeiten in deutscher Sprache, bei ausländischen durchgehend in lateinischer. Die entsprechenden Abkürzungen sind nachfolgender Tabelle zu entnehmen:

lateinisch		deutsch		englisch	französisch
ann.	= annuus	—	= Jahrgang	annual publication	année
ed.	= editio	Aufl.	= Auflage	edition	édition
fig. (figg.)	= figura(e)	Abb.	= Abbildung(en)	figure	figure, illustration
nr.	= numerus	Nr.	= Nummer(n) Heft(e)	number	numéro
n. ser.	= nova series	n. S.	= neue Serie neue Reihe	new series	série nouvelle
p. (pp.)	= pagina(e)	S.	= Seite(n)	page	page
separ.	= separatum	Sdr.	= Sonderdruck	special print	tirage à part
tab.	= tabula	Taf.	= Tafel(n)	plate	planche
tab. col.	= tabula colorata	Farbtaf.	= Farbtafel(n)	coloured plate	planche en couleurs
tab. geogr.	= tabula geographica	Kart.	= Karte(n) Landkarte(n)	map	carte
vol.	= volumen	Bd. Bde.	= Band = Bände	volume	volume, tome

Um bei der Dokumentation von Veröffentlichungen allgemeinen Inhalts Überschneidungen zu vermeiden, sind auch den Untergruppierungen Kapitel mit allgemeinen Themen vorangestellt.

Literaturangaben über die Gattungen *Morus* und *Salix* wurden gesondert an den Schluß des Kapitels III, 8 »Forstgehölze« gestellt. Im Abschnitt IV, 2 b »Biologische Bekämpfung« sind die Überparasiten nicht getrennt aufgeführt, sondern innerhalb der zoologisch-systematischen Einteilung zu finden.

In eckige Klammern beigefügte Texte dienen zur besseren Inhaltsbezeichnung des Literaturzitats.

Allen, die dazu beigetragen haben, die oft beträchtlichen Schwierigkeiten beim weiteren Ausbau der Bibliographie der Pflanzenschutzliteratur zu überwinden, sei an dieser Stelle besonders gedankt.

Berlin-Dahlem, den 1. Oktober 1953 **Johannes Bärner**

Introduction

»Bibliographie der Pflanzenschutzliteratur« (in two parts) comprises all the publications of the phytopathological literature for the years 1940—1945. In order to guarantee a fast and sure way of locating the desired literature, it has been necessary to classify the single chapters according to their extents in a more particular way than the system that was used in the preceding volumes of this bibliography. This is especially true of the single sections on the mycological parasites and entomological pests. From a practical consideration, the headings have been written in the Latin language and have been arranged systematically. Where the systematical classification has proved unsuitable, however, an alphabetical one of the families and species concerned has been used, such as in chapter III, 5 »Commercial plants«, and in chapter III, 9 »Ornamental plants«.

The main departments and chapters, using Roman and Arabic numerals, have remained unchanged according to the classification of the former editions of the bibliographies of plant protection, thus facilitating a continuous arrangement of the literature works of reference into a card index of plant protection. This card index is to be found in the »Biologische Zentralanstalt für Land- und Forstwirtschaft, Berlin-Dahlem«, and comprises more than 300 000 cards.

All the chapter headings have been specified in the detailed contents. Hence, it is recommended to use this index extensively before looking up the desired literature. In addition, there are the »living headings«, which are sufficient for general information.

Titles, introductions, chapter headings and »living headings« have been written in three languages, German, English, and French. Explanations as to the sources, the numbers of pages, figures, etc., have appeared in the German language where German works are quoted and in Latin for all the foreign works. The abbreviations used are to be taken from the following table:

Latin		German		English	French
ann.	= annuus	—	= Jahrgang	annual publication	année
ed.	= editio	Aufl.	= Auflage	edition	édition
fig. (figg.)	= figura(e)	Abb.	= Abbildung(en)	figure	figure, illustrations
nr.	= numerus	Nr.	= Nummer(n) Heft(e)	number	numéro
n. ser.	= nova series	n. S.	= neue Serie neue Reihe	new series	série nouvelle
p. (pp.)	= pagina(e)	S.	= Seite(n)	page	page
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tab. col.	= tabula colorata	Farbtaf.	= Farbtafeln(n)	coloured plate	planche en couleurs
tab. geogr.	= tabula geographica	Kart.	= Karte(n) Landkarte(n)	map	carte
vol.	= volumen	Bd. Bde.	= Band = Bände	volume	volume, tome

In order to avoid repetition of the quotations of literature, »general parts« have been inserted into the sub-chapters.

Statements of literature on the species of *Morus* and *Salix* have been put at the end of chapter III, 8 »Forest trees«. In the chapter IV, 2b »Biological control«, the hyperparasites have not been listed separately but can be found in the zoological systematical classification.

Texts within cornered brackets serve as more distinct contents of the quotations of literature.

To all those who have contributed to overcoming the often considerable difficulties in completing this bibliography of the literature of plant protection, I give particular thanks.

Berlin-Dahlem, October 1, 1953 **Johannes Bärner**

Introduction

Cette »Bibliographie der Pflanzenschutzliteratur« comporte en deux parties les publications parues de 1940 à 1945. Etant donné l'étendue de la documentation et pour faciliter les recherches de littérature il s'avérait nécessaire de subdiviser les chapitres suivant leur contenu plus qu'il n'était d'usage dans les volumes précédents de cette bibliographie. En particulier cette subdivision a été appliquée aux chapitres traitant des champignons pathogènes et des insectes nuisibles. Il a été considéré pratique de reproduire les en-têtes de ces chapitres en latin et de les classer systématiquement. L'ordre alphabétique a été préféré pour les familles et genres dont une classification systématique n'était pas indiquée, par exemple chapitre III, 5 »plantes du commerce« et III, 9 »plantes horticoles«.

Les divisions et chapitres principaux munis de chiffres romains et arabes sont restés inchangés. Ils correspondent toujours à ceux des éditions précédentes de la »Bibliographie der Pflanzenschutzliteratur« afin de faciliter l'enregistrement dans le fichier de la protection des plantes. Celui se trouve à »Biologische Zentralanstalt für Land- und Forstwirtschaft« à Berlin-Dahlem et comporte plus de 300 000 fiches.

Tous les en-têtes figurent sur une table des matières détaillée et pour les recherches de littérature nous recommandons de se servir toujours de cet index. S'y ajoutent les »titres courants« qui suffiront pour une orientation générale.

Les titres, les introductions, les en-têtes et les »titres courants« se trouvent reproduits en allemand, français et anglais. Les renseignements concernant l'indication des sources (numéros des pages, illustrations etc.) figurent en allemand s'il s'agit de publications allemandes et en latin pour les publications étrangères. Les abréviations se trouvent expliquées ci-après:

latin		allemand		français	anglais
ann.	= annuus	—	= Jahrgang	année	annual publication
ed.	= editio	Aufl.	= Auflage	édition	edition
fig. (figg.)	= figura(e)	Abb.	= Abbildung(en)	figure, illustration	figure
nr.	= numerus	Nr.	= Nummer(n) Heft(e)	numéro	number
n. ser.	= nova series	n. S	= neue Serie neue Reihe	série nouvelle	new series
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tab. geogr.	= tabula geographica	Kart.	= Karte(n) Landkarte(n)	carte	map
vol.	= volumen	Bd. Bde.	= Band = Bände	volume, tome	volume

Des chapitres d'un thème général précédent aussi les subdivisions afin d'éviter des répétitions dans la documentation.

La littérature citée pour les genres *Morus* et *Salix* est traitée à part à la fin du chapitre III, 8 »arbres forestiers«. Les hyperparasites (chapitre IV, 2b »lutte biologique«) n'ont pas été mentionnés séparément mais font partie de la classification zoologique.

Les textes entre crochets précisent le contenu de la littérature citée.

Nous tenons à remercier particulièrement tous ceux qui ont contribué à surmonter les difficultés s'opposant à l'achèvement de la »Bibliographie der Pflanzenschutzliteratur«.

Berlin-Dahlem, 1er octobre 1953 **Johannes Bärner**

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Maladies non parasitaires

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6. Virus

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III. Krankheiten und Wirtspflanzen
Diseases and host plants
Maladies et plantes attaquées

1. Vegetation und Kulturpflanzen im allgemeinen Übersicht über das Auftreten von Pflanzenkrankheiten und Schädlingen
Vegetation and cultivated plants in general Survey of the incidence of plant diseases and parasites
Végétation et plantes cultivées en général Résumé de la fréquence des maladies végétales et de leurs parasites

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3. Kartoffeln und Rüben
Potatoes and beets — Pommes de terre et betteraves

a. Kartoffeln
Potatoes — Pommes de terre

Allgemeiner Teil
General part — Partie générale

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4. Hülsenfrüchte und Gräser
Legumes and grasses
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a. Hülsenfrüchte
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5. Handelspflanzen
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a. Tabak — Tobacco — Tabac

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Ornamental plants, garden and greenhouse plants
Plantes horticoles, plantes de décoration et de serre

a. Allgemeiner Teil
General part — Partie générale

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12. Krankheiten nicht kultivierter Pflanzen und der Kryptogamen

Diseases of uncultivated plants and cryptogams

Maladies des plantes non cultivées et des cryptogames

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IV. Maßnahmen des Pflanzenschutzes
Measures of plant protection
Principes de la protection des plantes

1. Pflanzenhygiene — Plants hygiene — Hygiène des plantes

a. Einfluß der Umgebung, insbesondere des Klimas, auf Pflanzenkrankheiten: Phänologie der Parasiten

Environment influences, specially of the climate, on plant diseases: phenology of parasites

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b. Prädisposition und Immunität
Predisposition and immunity
Prédisposition et l'immunité

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